

SEQUENCE LISTING

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 Gough, Monisha A.
 Patrzykat, Aleksander
 Woods, Donald
 Jia, Xiaoyan

<120> ANTI-ENDOTOXIC, ANTIMICROBIAL CATIONIC
 PEPTIDES AND METHODS OF USE THEREFOR

<130> UBC1110

<140> 09/143,124

<141> 1998-08-28

<160> 25

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> antimicrobial cationic peptide

<400> 1

Lys	Trp	Lys	Leu	Phe	Lys	Lys	Ile	Gly	Ile	Gly	Ala	Val	Leu	Lys	Val
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Leu	Thr	Thr	Gly	Leu	Pro	Ala	Leu	Lys	Leu	Thr	Lys				
			20					25							

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<223> antimicrobial cationic peptide

<400> 2

Lys	Trp	Lys	Ser	Phe	Ile	Lys	Lys	Leu	Thr	Thr	Ala	Val	Lys	Lys	Val
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Leu	Thr	Thr	Gly	Leu	Pro	Ala	Leu	Ile	Ser						
			20					25							

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<400> 3

Lys Trp Lys Ser Phe Ile Lys Lys Leu Thr Ser Ala Ala Lys Lys Val
 1 5 10 15
 Val Thr Thr Ala Lys Pro Leu Ala Leu Ile Ser
 20 25

<210> 4

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<400> 4

Lys Trp Lys Ser Phe Ile Lys Lys Leu Thr Lys Ala Ala Lys Lys Val
 1 5 10 15
 Val Thr Thr Ala Lys Lys Pro Leu Ile Val
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<210> 5

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<223> antimicrobial cationic peptide

<400> 5

Lys Trp Lys Lys Phe Ile Lys Ser Leu Thr Lys Ser Ala Ala Lys Thr
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 Val Val Lys Thr Ala Lys Lys Pro Leu Ile Val
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<210> 6

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Lys Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Ala Val Leu Lys Val
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 Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu Lys Leu Thr Leu Lys
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 Val Leu Thr Thr Gly Leu Pro Ala Leu Lys Leu Thr Leu Lys
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Lys Trp Lys Phe Lys Lys Ile Gly Ile Gly Ala Val Leu Lys Val Leu
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 Lys Val Leu Thr Thr Gly Leu Pro Ala Leu Lys Leu Thr Leu Lys
 20 25 30

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<223> antimicrobial cationic peptide

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Lys Leu Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Ala Val Leu Lys
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 Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu Lys Leu Thr Leu
 20 25 30

Lys

<210> 10

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<400> 10

Lys Trp Lys Ser Phe Ile Lys Lys Leu Thr Ser Ala Ala Lys Lys Val
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 Thr Thr Ala Ala Lys Pro Leu Thr Lys
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<223> antimicrobial cationic peptide

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Lys	Trp	Lys	Lys	Phe	Ile	Lys	Lys	Ile	Gly	Ile	Gly	Ala	Val	Leu	Lys
1				5					10					15	
Val	Leu	Thr	Thr	Gly	Leu	Pro	Ala	Leu	Lys	Leu	Thr	Lys	Lys		
			20					25					30		

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<223> antimicrobial cationic peptide

<400> 12

Lys	Lys	Trp	Lys	Lys	Phe	Ile	Lys	Lys	Ile	Gly	Ile	Gly	Ala	Val	Leu
1				5					10					15	
Thr	Thr	Pro	Gly	Ala	Lys	Lys									
			20												

<210> 13

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<212> PRT

<213> Artificial Sequence

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<223> antimicrobial cationic peptide

<400> 13

Gly	Trp	Gly	Ser	Phe	Phe	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His	Val
1				5					10					15	
Gly	Lys	Ala	Ala	Leu	Thr	His	Tyr	Leu							
			20					25							

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<221> AMIDATION

<222> (0)...(0)

<223> amidated leucine (Leu) at C-terminus

<400> 14

Gly	Trp	Gly	Ser	Phe	Phe	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His	Val
1				5					10					15	
Gly	Lys	Ala	Ala	Leu	Thr	His	Tyr	Leu							
			20					25							

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 Lys Gly Trp Gly Ser Phe Phe Lys Lys Ala Ala His Val Gly Lys His
 1 5 10 15
 Val Gly Lys Ala Ala Leu Thr His Tyr Leu
 20 25

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 <221> AMIDATION
 <222> (0)...(0)
 <223> amidated leucine (Leu) at C-terminus

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 1 5 10 15
 Val Gly Lys Ala Ala Leu Thr His Tyr Leu
 20 25

<210> 17
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 <221> AMIDATION
 <222> (0)...(0)
 <223> amidated leucine (Leu) at C-terminus

<400> 17
 Ala Leu Trp Lys Thr Met Leu Lys Lys Ala Ala His Val Gly Lys His
 1 5 10 15
 Val Gly Lys Ala Ala Leu Thr His Tyr Leu
 20 25

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 <221> AMIDATION

<222> (0)...(0)

<223> amidated leucine (Leu) at C-terminus

<400> 18

Ser	Ile	Gly	Ser	Ala	Phe	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His	Val
1				5				10					15		
Gly	Lys	Ala	Ala	Leu	Thr	His	Tyr	Leu							
		20						25							

<210> 19

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<223> antimicrobial cationic peptide

<400> 19

Gly	Trp	Gly	Ser	Phe	Phe	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His	Val
1				5				10					15		
Gly	Lys	Ala	Ala	Leu	Gly	Ala	Ala	Ala	Arg	Arg	Arg	Lys			
		20						25							

<210> 20

<211> 30

<212> PRT

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<223> antimicrobial cationic peptide

<400> 20

Ala	Leu	Trp	Lys	Thr	Met	Leu	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His
1				5				10						15	
Val	Gly	Lys	Ala	Ala	Leu	Gly	Ala	Ala	Ala	Arg	Arg	Arg	Lys		
		20						25					30		

<210> 21

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<223> antimicrobial cationic peptide

<400> 21

Ser	Ile	Gly	Ser	Ala	Phe	Lys	Lys	Ala	Ala	His	Val	Gly	Lys	His	Val
1				5				10					15		
Gly	Lys	Ala	Ala	Leu	Gly	Ala	Ala	Ala	Arg	Arg	Arg	Lys			
		20						25							

<210> 22

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<213> Artificial Sequence

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<223> antimicrobial cationic peptide

<400> 22

Arg	Gln	Arg	Val	Glu	Glu	Leu	Ser	Lys	Phe	Ser	Lys	Lys	Gly	Ala	Ala
1				5					10					15	
Ala	Arg	Arg	Arg	Arg	Lys										
				20											

<210> 23

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<213> Artificial Sequence

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<223> antimicrobial cationic peptide

<400> 23

Ala	Leu	Trp	Lys	Thr	Met	Leu	Lys	Lys	Leu	Gly	Thr	Met	Ala	Leu	His
1				5					10					15	
Ala	Gly	Lys	Ala	Ala	Leu	Gly	Ala	Ala	Ala	Asp	Thr	Ile	Ser	Gln	Thr
			20					25					30		
Gln															

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<223> antimicrobial cationic peptide

<400> 24

Ser	Ile	Gly	Ser	Ala	Phe	Lys	Lys	Ala	Leu	Pro	Val	Ala	Lys	Lys	Ile
1				5					10					15	
Gly	Lys	Ala	Ala	Leu	Pro	Ile	Ala	Lys	Ala	Ala	Leu	Pro			
			20					25							

<210> 25

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<400> 25

Lys	Trp	Lys	Ser	Phe	Ile	Lys	Lys	Leu	Thr	Ser	Ala	Ala	Lys	Lys	Val
1				5				10						15	
Val	Thr	Thr	Ala	Lys	Pro	Leu	Ile	Ser	Ser						
			20					25							